

# UK Declaration of Conformity

EcoTherm Eco-Cavity

**1034.UKDoC.EC.001. 1001 1000**

1000.UKDoC.EV.001

Unique identification code of the product-type: **Eco-Cavity**  
 Intended use/es: **Thermal insulation for buildings**  
 Manufacturer: **EcoTherm Insulation (UK) Ltd, Harvey Road, Burnt Mills Ind.Est, Basildon, Essex SS13 1QJ**  
 System/s of AVCP: **System 3**  
 Harmonised technical specification: **BS-EN 13165:2012+A2:2016**  
 UK Assessment body/ies: **B.I.T.S .1334 University of Salford 1145. Warrington 0833**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	$d_N$ 25mm	1.10
		$d_N$ 30mm	1.35
		$d_N$ 40mm	1.80
$d_N$ 50mm		2.25	
$d_N$ 60mm		2.70	
$d_N$ 70mm		3.15	
$d_N$ 80mm		3.60	
$d_N$ 90mm		4.05	
$d_N$ 100mm		4.50	
$d_N$ 120mm		5.45	
$d_N$ 130mm	5.90		
	Thermal conductivity $\lambda_D$ (W/(m.K))	0.022	
	Thickness tolerance	$d_N$ 25-200mm	T2
Reaction to fire	RtF	E/Efl	
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD	
Dimensional stability under specified temperature and humidity condition		DS(70,90)3	
		DS(-20,-)1	
Deformation under specified compressive load and temperature conditions		DLT(2)5	
Compressive strength	Compressive stress or compressive strength	CS(10\Y)140	
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
	Flatness after one sided wetting	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Acoustic absorption index	Sound absorption	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
NPD: No Performance Determined			

Signed for and on behalf of the manufacturer by:



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 Ralph Mannion



Managing Director UK and Ireland

First signed-01.01.2021

Issue 1

Date of issue 01.01.2021

Selby , Pembridge and Basildon, England, UK